# BRUHATH BANGALORE MAHANAGARA PALIKE

Detailed estimate the work of :-Improvements to roads and drains in Kodigehalli and Extension areas in ward no.8 Kodigehalli.

**Est Cost: 30.00Lakhs**

| Sl no | Description of Item | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| 1 | Removing B.S slab of drain and stacking (Page No.25, Item No. 5.32 ) | | | | | | | |
| | 2nd main Kodigehalli village | 5 | 3.50 | 0.75 | | 13.13 | | |
| | | 1 | 50.00 | 0.75 | | 37.50 | | |
| | | | | | | 50.63 | 63.72 per Cum | 3226.00 |
| | Basic Rate | 59.00 | | | | | | |
| | Area Wtg 8% | 4.72 | | | | | | |
| | Net Rate | 63.72 | | | | | | |
| 2 | KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involiving an avarage horizontal throw upto 2 meters and an avarage lift upto 1.50m excavated surface leveled and sides neatly defssed, the disposed earth to be leveled neatly after breaking of clods comlete asspecifications.(page no141, item no19.1) | | | | | | | |
| | For road cutting portion | 20 | 4.00 | 0.60 | 0.20 | 9.60 | | |
| | For drain | 2 | 196.00 | 0.75 | 1.15 | 338.10 | | |
| | For culverts | 2x5 | 4.00 | 1.15 | 1.20 | 55.20 | | |
| | | | | | | 402.90 | 83.16 per Cum | 33505.00 |
| | Basic Rate | 77.00 | | | | | | |
| | Area Wtg 8% | 6.16 | | | | | | |
| | Net Rate | 83.16 | | | | | | |

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3 KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement 220kgs,with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @o.465 cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation including cost all materials, labour, HOM of machinery, curing complete as per specifications.(P-12, I-4.2)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| For drain | 2 | 196.00 | 0.75 | 0.15 | 44.10 | | |
| For culverts | 2x5 | 4.00 | 1.15 | 0.15 | 6.90 | | |
| For road cutting portion | 20 | 4.00 | 0.60 | 0.15 | 7.20 | | |
| | | | | Total | 58.20 | 5236.92 Per Cmtr | 304789.00 |

| | |
|---|---|
| Basic Rate | 4849.00 |
| Area Wtg 8% | 387.92 |
| Net Rate | 5236.92 |

4 Providing laying plain/ reinforced cement concrete for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc.complete as per approved drawing and design MORTH specification No.1500, 1700, 2200. M20 Grade using Concrete mixer (Page 258, Item No. 37.59.2)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bed Concrete | 2 | 196.00 | 0.75 | 0.15 | 44.10 | | |
| Wall | 2x2 | 196.00 | 0.15 | 0.75 | 88.20 | | |
| | | | | | **132.30** | | |
| Culvert bed | 2x5 | 4.00 | 1.15 | 0.15 | 6.90 | | |
| For walls | 4x5 | 4.00 | 0.20 | 0.90 | 14.40 | | |
| | | | | | **21.30** | | |
| For Ramp | 4x5 | 4.00 | 0.60 | 0.15 | **7.20** | | |
| | | | | Total | 160.80 | 6931.44 Per Cmtr | 1114576.00 |

| | |
|---|---|
| Basic Rate | 6418.00 |
| Area Wtg 8% | 513.44 |
| Net Rate | 6931.44 |

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5 KSRB 4-1.5: Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @o.43 cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed -2008, machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation, plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications.(P-12, I-4.5)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| For road cutting portion | | 20 | 4.00 | 0.60 | 0.20 | 9.60 | |
| | | | | | Total | 9.60 | 5991.84 | 57522.00 |

| | |
|---|---|
| Basic Rate | 5548.00 |
| Area Wtg 8% | 443.84 |
| Net Rate | 5991.84 |

6 Providing T.M.Tsteel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members whereever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (P-17, I-4.46.1) Fe 500

| | | | | | |
|---|---|---|---|---|---|
| For drain 65kg/cum | 132.30 | 65kg | | 8599.50 | |
| For culvert 79.80kg/cum | 21.30 | 79.80/kg | | 1699.74 | |
| | | | | 10299.24 | |
| | | | **10.30** | 59327.91 Per tonnes | 611032.00 |

| | |
|---|---|
| Basic Rate | 54933.25 |
| Area Wtg 8% | 4394.66 |
| Net Rate | 59327.91 |

7 Providing and fixing RCC 1:2:4 Precast slab for covrering using 20mm and Downsize granite jelly as per design including necessary centering, forming, Curing and finishing with CM 1:3 etc complete 10mm thick ( As per Data rate approved)

| | | | | | | |
|---|---|---|---|---|---|---|
| For drain covering | 2 | 196.00 | 0.75 | | 294.00 | |
| | | | | Total | 294.00 | 1836.00 per Sqm | 539784.00 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | Providing and fixing RCC 1:2:4 Precast slab for covrering using 20mm and Downsize granite jelly as per design including necessary centering, forming, Curing and finishing with CM 1:3 etc complete 250mm thick ( As per Data rate approved) | | | | | | |
| | For culverts | 2x5 | 4.00 | 1.10 | | 44.00 | |
| | | | | | Total | 44.00 | 5111.00 per Sqm | 224884.00 |
| 9 | Lead for disposal of debris shall be payable at carrage rates by mechanical means including loading and unloading From 13.30 Kms | | | | | | |
| | Qty vide item No 2 | | | | | 402.90 | |
| | add road side debries | | | | | 250.00 | |
| | | | | | | 652.90 | 123.20 Per cmtr | 80437.00 |
| | | | | | | | Total Rs:- | 2969755.00 |
| 10 | Add 1% QC Charges | | | | | | | 29697.55 |
| 11 | Miscellaneous and unforeseen charges | | | | | | | 547.45 |
| | | | | | | | Total Rs:- | 3000000.00 |

( Rupees Thirty Lakhs only )

CERTIFICATES

1 The work will be Executed within BBMP limit only
2 The work spot is inspected by me
3 The items Provided in the Estimate are quite Essential
4 The Estimate is prepared Based on CSR 2015-2016

Asst Engineer
Waard No-8

Asst. Executive Engineer
Kodigehalli Subdivision
BBMP, Bangalore

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore
15/12

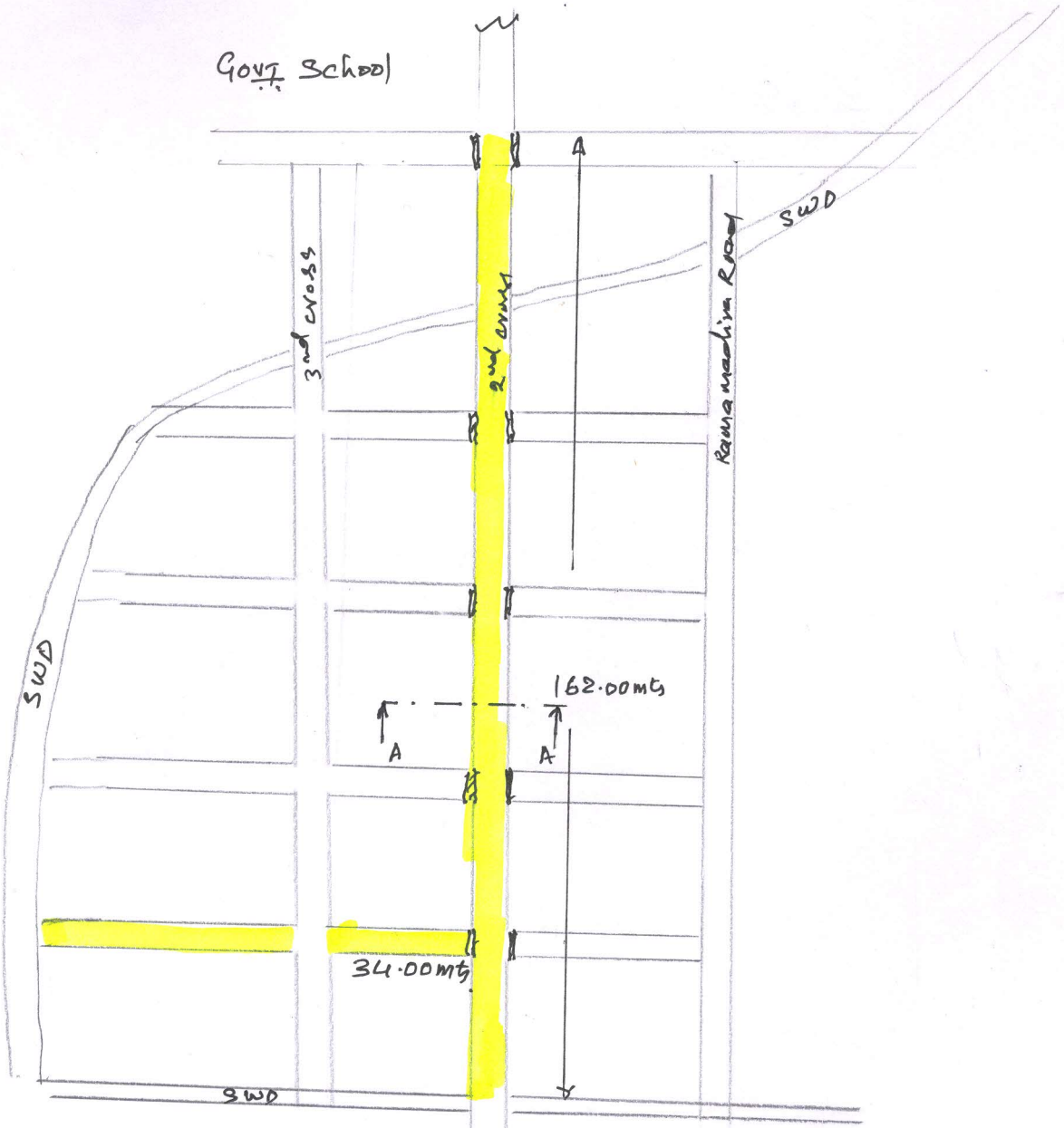
**Administrative Approval**
Accorded For 30.00 Lakh Rs.
Head of A/C P-1771
CER NO : 62 Dt:. 28/12/16

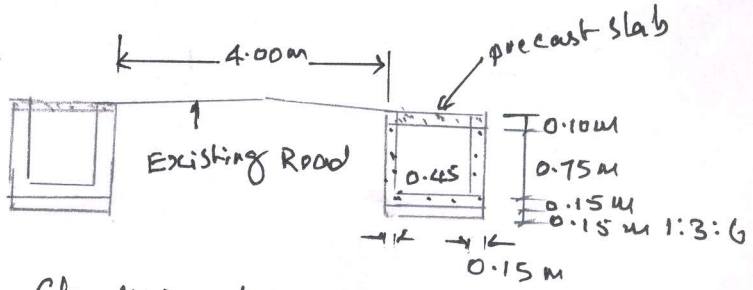
TA CE (YNK)

**Technical Sanction**
Accorded For 30.00 Lakh Rs.
Head of A/C P-1771
CER NO : 77 Dt:. 28/12/16

TA CE (YNK)

Name of the work: Improvements to roads and drains in Kodigehally and Extension areas in ward no 8. Kodigehally




Cls of Road & Drain on A–A.

Thanking you.

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.